

Storm Data and Unusual Weather Phenomena - September 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
IOWA, Southwest				
(IA-Z043) MONONA, (IA-Z055) HARRISON, (IA-Z056) SHELBY, (IA-Z069) POTTAWATTAMIE, (IA-Z079) MILLS, (IA-Z080) MONTGOMERY, (IA-Z090) FREMONT, (IA-Z091) PAGE				
	09/01/12 00:00 CST		0	Drought
	09/30/12 23:59 CST		0	
<p>The drought intensity remained in the extreme category over much of western Iowa through September, with severe conditions observed over the far southwest part of the state. Rainfall was sparse at the beginning of the month, and high temperatures frequently reached the 90s. Temperatures for the remainder of the month were close to or a little below normal. A mid-month rain event dropped around 1 inch to as much as 2 or 3 inches of rain over parts of west central Iowa, but generally less than 1 inch fell elsewhere. That rain event was generally it for significant rainfall during the month and rain totals for September as a whole were around 1 to 2 inches below normal. Thus little or no relief from the drought was noted as it persisted into October.</p>				
NEBRASKA, East				
(NE-Z011) KNOX, (NE-Z012) CEDAR, (NE-Z015) THURSTON, (NE-Z016) ANTELOPE, (NE-Z017) PIERCE, (NE-Z018) WAYNE, (NE-Z030) BOONE, (NE-Z031) MADISON, (NE-Z032) STANTON, (NE-Z033) CUMING, (NE-Z034) BURT, (NE-Z042) PLATTE, (NE-Z043) COLFAX, (NE-Z044) DODGE, (NE-Z045) WASHINGTON, (NE-Z050) BUTLER, (NE-Z051) SAUNDERS, (NE-Z052) DOUGLAS, (NE-Z053) SARPY, (NE-Z065) SEWARD, (NE-Z066) LANCASTER, (NE-Z067) CASS, (NE-Z068) OTOE, (NE-Z078) SALINE, (NE-Z088) JEFFERSON, (NE-Z089) GAGE, (NE-Z090) JOHNSON, (NE-Z091) NEMAHA, (NE-Z092) PAWNEE, (NE-Z093) RICHARDSON				
	09/01/12 00:00 CST		0	Drought
	09/30/12 23:59 CST		0	
<p>Hot and very dry conditions persisted into early September across eastern Nebraska, as the first few days of the month saw little or no rainfall along with high temperatures frequently in the 90s. This pushed the drought intensity into the Exceptional range in northeast Nebraska near and northwest of a line from Columbus to Pender. Temperatures moderated somewhat during the middle and end of September. A mid-month rain event dropped around 1 inch to as much as 3 inches of rain near and southeast of Interstate 80, but amounts in northeast Nebraska were generally a half inch or less. That rain event was generally it for significant rainfall and rain totals for the month as a whole were around 2 inches below normal in northeast Nebraska and an inch or inch and half below normal elsewhere. Thus the drought intensity remained in the exceptional category in northeast Nebraska and in the Extreme category over much of the rest of eastern Nebraska through September. The exception was the far southeast corner of the state where the drought intensity moderated slightly into the severe category.</p>				
STANTON COUNTY --- 6.2 SE STANTON [41.89, -97.14], 11.7 SE STANTON [41.83, -97.06]				
	09/03/12 05:55 CST		0	Hail (1.50 in)
	09/03/12 05:55 CST		0	Source: Public
Hail occurred at the intersection of highways 15 and 32 as well as 9 miles northwest of Howells.				
An isolated morning thunderstorm developed over Stanton county in an area with steep mid level lapse rates and an enhanced area of low level convergence.				
LANCASTER COUNTY --- 1.7 ESE WEST LINCOLN [40.82, -96.69]				
	09/04/12 16:40 CST		0	Hail (1.50 in)
	09/04/12 16:40 CST		0	Source: Trained Spotter
Hail up to 1.50 inches was reported at 70th and A Street in Lincoln.				
OTOE COUNTY --- 3.9 WSW PALMYRA [40.68, -96.45]				
	09/04/12 17:28 CST		0	Hail (1.00 in)
	09/04/12 17:28 CST		0	Source: Trained Spotter
Thunderstorms developed along an instability axis extending across eastern Nebraska. As increasing mid level lapse rates and stronger surface convergence increased ahead of a surface cold front, a few of the thunderstorms became severe.				
(NE-Z051) SAUNDERS				
	09/12/12 10:00 CST		0	Strong Wind (MAX 26 kt)
	09/12/12 10:00 CST	2	0	

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North winds gusted to 15 to 30 mph with even higher gusts behind a cold front that pushed through the area early in the morning of September 12. The strong winds caused serious injury to two people when they fell off the roof of a building after wind caught a long metal sheet they were handling.